

# JOURNAL OF GEOMAGNETISM AND GEOELECTRICITY

Vol. I, 1949

## INDEX OF AUTHORS

HATAKEYAMA, H. ....	4, 48
HIRAO, K. ....	52
IMAMITI, S. ....	12
KAWANO, M. ....	67
KIMPARA, A. ....	14
MATSUSHITA, S. ....	17, 35, 41
NAGATA, T. ....	7, 52
OTA, M. ....	68
TAMURA, Y. ....	22
TANAKADATE, A. ....	1
TSUBOKAWA, I. ....	10
UTASHIRO, S. ....	59
YONEZAWA, T, ....	26
YOSHIKAWA, H. ....	52
YOSHIMATSU, T. ....	31

# JOURNAL OF GEOMAGNETISM AND GEOELECTRICITY

## TABLE OF CONTENTS

### Vol. I, No. 1, 1949

A Greeting,.....	A. TANAKADATE	1
The Electric Charge neutralized by the Lightning Discharge, .....	.....H. HATAKEYAMA	4
Southward Shifting of the Auroral Zone Accompanying the Growth of a Magnetic Storm,.....	T. NAGATA	7
A New Type Magnetometer. (The G.S.B. Type Magnetometer),.....	.....I. TSUBOKAWA	10
Characteristics of Geomagnetic Diurnal Variation at KAKIOKA, ...	S. IMAMITI	12
The Wave Form of Atmospheric in Day Time,.....	A. KIMPARA	14
On the Semi-Diurnal Lunar Tide ( $M_2$ ) in Region F, .....	S. MATSUSHITA	17
On the Distribution of Electricity in Thunderclouds, .....	Y. TAMURA	22
On the Fluctuation in Electron Density of the $F_2$ Layer of the Ionosphere, ....	.....T. YONEZAWA	26
Secular Variation of Earth-Current Potentials,.....	T. YOSHIMATSU	31

### Vol. I, No. 2, 1949

Circulatory Motions in the Ionospheric Atmosphere and their Relation to the S Field of the Terrestrial Magnetism. I, .....	S. MATSUSHITA	35
Circulatory Motions in the Ionospheric Atmosphere and their Relation to the S Field of the Terrestrial Magnetism. II,.....	S. MATSUSHITA	41
On the Disturbance of the Atmospheric Potential Gradient caused by the Smoke-cloud of the Volcano Yake-yama, .....	H. HATAKEYAMA	48
Remanent Magnetization of "Pleistocene" Deposits—Palaeomagnetism in Japan, .....	T. NAGATA, K. HIRAO and H. YOSHIKAWA	52
On the Character of the Micropulsation in the Magnetic Storm, ..	S. UTASHIRO	59
LETTERS TO EDITOR :		
An Effect of Static Magnetic Field on the Point Discharge Current, .....	.....M. KAWANO	67
Seasonal Variations of the Activity of Sq-Field of Terrestrial Magnetism, ....	.....M. OTA	68



# JOURNAL OF GEOMAGNETISM AND GEOELECTRICITY

Vol. II, 1950

## INDEX OF AUTHORS

AKIMOTO, S. ....	29
FUKUSHIMA, N. ....	35, 103
G. S. I. ....	89
HATAKEYAMA, H. ....	95
HIRAO, K. ....	34
HIRONO, M. ....	1, 113
ISHIKAWA, G. ....	74
KATO, Y. ....	71, 81
KAWAI, N. ....	61
KAWANO, M. ....	100
KUBOKI, T. ....	83
KUMAGAI, N. ....	61
MAEDA, K. ....	45
MATSUSHITA, S. ....	9
NAGATA, T. ....	29, 35, 61
NISHIMURA, J. ....	121
OTA, M. ....	86
RIKITAKE, T. ....	20, 25
SEKIDO, Y. ....	66, 77
SUGIURA, M. ....	35
UTASHIRO, S. ....	71
UTIKAWA, K. ....	95
YAGI, T. ....	77
YOSHIDA, S. ....	66
YOSHIMATSU, T. ....	54

# JOURNAL OF GEOMAGNETISM AND GEOELECTRICITY

## TABLE OF CONTENTS

### Vol. II, No. 1, 1950

On the Influence of the Hall Current to the Electrical Conductivity of the Ionosphere. I, .....	M. HIRONO	1
Circulatory Motions in the Ionospheric Atmosphere and their Relation to the S Field of the Terrestrial Magnetism. III, .....	S. MATSUSHITA	9
Magnetic Anomalies and the Corresponding Magnetic Centres. I, ..	T. RIKITAKE	20
Magnetic Anomalies and the Corresponding Magnetic Centres. II, ..	T. RIKITAKE	25
Magnetic Transition Points of Volcanic Rocks, ..	T. NAGATA and S. AKIMOTO	29
LETTER TO EDITOR:		
An Estimation of Diurnal Variation of VHF Radio Waves, .....	K. HIRAO	34

### Vol. II, No. 2, 1950

Electro-Dynamical Behaviour of the Ionosphere Region Viewed from Geomagnetic Variations, .....	T. NAGATA, N. FUKUSHIMA and M. SUGIURA	35
On the Electrical Conductivity of the Upper Atmosphere, .....	K. MAEDA	45
Diurnal and Seasonal Frequencies of Occurrence of 'Sudden Commencements,' SC, in Geomagnetism, .....	T. YOSHIMATSU	54

### Vol. II, No. 3, 1950

Recent Progress in Palaeomagnetism in Japan, .....	N. KUMAGAI, N. KAWAI and T. NAGATA	61
On the Diurnal Variation of Cosmic Rays: Part II. Annual Change of the Cosmic-Ray Diurnal Variation, .....	Y. SEKIDO and S. YOSHIDA	66
Investigation of the Magnetic Storm by the Induction Magnetograph, .....	Y. KATO and S. UTASHIRO	71
On the Longitude Effect of a Corpuscular Stream from the Sun, .....	G. ISHIKAWA	74
Deflection of Cosmic Rays in the Solar Magnetic Field, .....	Y. SEKIDO and T. YAGI	77
On the Magnetic Moment of the Residual Magnetism of the Rock, ...	Y. KATO	81
The KC type Magnetometer for Direct-vision, .....	T. KUBOKI	83
Geomagnetic Activity characterized by the K Indices, .....	M. OTA	86
Magnetic Survey in Japan, .....	G.S.I.	89

### Vol. II, No. 4, 1950

The Diurnal Variation of the Atmospheric Potential Gradient on the Summit of Mt. Fuji and along its Slope, .....	H. HATAKEYAMA and K. UTIKAWA	95
Sudden Changes in the Atmospheric Electric Phenomena accompanying Lightning Discharges. (I), .....	M. KAWANO	100
Current System for $S_D$ -Field and the Bay Disturbance, .....	N. FUKUSHIMA	103
On the Influence of the Hall Current to the Electrical Conductivity of the Ionosphere. II, .....	M. HIRONO	113
LETTER TO EDITOR:		
On the Analysis of Sudden Increase of Cosmic Rays associated with Solar Flare, .....	J. NISHIMURA	121



JOURNAL  
OF  
GEOMAGNETISM  
AND  
GEOELECTRICITY

VOL. III

1951

SOCIETY  
OF  
TERRESTRIAL MAGNETISM AND ELECTRICITY  
OF  
JAPAN  
KYOTO

